

MTAS Library Overview

MTAS

DESCRIPTION

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1 Introduction

This document lists the information available for the MTAS.

1.1 Library Distribution

Libraries are distributed as follows:

- Online libraries on CAL Store.

1.2 CPI Product Numbers

The product numbers and delivery information is provided in Table 1.

Table 1 CPI Product Numbers

Product Name	Product Number	Library
vMTAS 1.10	AVA 901 29/9 R9A	EN/LZN 765 0163/9 R9A

1.3 Library Access

How to access the library, refer to *How to Get Started with Active Library Explorer*.

1.4 Library Structure

The library consists of documents grouped into the following main folders:

- Library Overview
- Product Overview
- Planning
- Installation
- Operation and Maintenance
- Emergency
- Interface



1.5 Document Types

The documents are grouped into the following three types:

- Descriptive documents contain descriptions of the product on different levels.
- Operational documents give instructions on how to operate or maintain the product.
- Reference documents contain more information to which a user needs to refer.

1.6 Related Information

Trademark information, typographic conventions, definition, and explanation of acronyms and terminology used in this library, refer to the following documents:

- *Glossary of Terms and Acronyms*
- *Trademark Information*
- *Typographic Conventions*



2 MTAS Support Library

This section describes the library contents for the MTAS.

2.1 Library Overview

Documents included in this area are listed in Table 2. These documents are intended for all personnel involved in work related to any aspect of the product.

Table 2 Library Overview

Title	Description	Type
<i>Glossary of Terms and Acronyms</i>	Explains the terms and acronyms that occur in the library.	Reference
MTAS Library Overview	Overview of the CPI library (this document).	Reference
<i>Trademark Information</i>	Lists the trademarks used in the library.	Reference
<i>Typographic Conventions</i>	Describes the typographic conventions used in the library.	Reference

2.2 Product Overview

Documents included in this area are listed in Table 3. These documents are intended as an introduction for all personnel who want to learn more about the product.

Table 3 Product Overview

Title	Description	Type
<i>Free and Open Source Software</i>	Contains notices and license documentation related to the Free and Open Source Software (FOSS) that is included in the MTAS.	Descriptive
Technical Product Descriptions	Technical descriptions of the different features in MTAS.	Descriptive
<i>Virtual MTAS Infrastructure Requirements</i>	Technical description of infrastructure resource requirements	Descriptive

2.2.1 Statement of Compliance

Statement of Compliance are listed in Table 4. These documents are intended as an introduction for all personnel who want to learn more about the product.

*Table 4 Statement of Compliance*

Description	Type
Detailed information on the MTAS compliance to standards and interfaces.	Descriptive

2.3 Planning

Document included in this area are listed in Table 5. These documents are intended for personnel responsible for planning, implementation, and product handling.

Table 5 Planning

Title	Description	Type
<i>vMTAS Network Impact Reports</i>	Describes the impact of current product release on a previous release of the product.	Descriptive
<i>MTAS Internal and External Connectivity</i>	Describes the internal and external connectivity of the MTAS product.	Descriptive

2.4 Installation

Documents included in this area are listed in Table 6. These documents are intended for personnel performing hardware installation, software installation, and configuration.

Table 6 Installation

Title	Description	Type
<i>vMTAS Upgrade Information</i>	Describes the upgrade impact.	Descriptive, Operative

2.5 Operation and Maintenance

Documents included this area are listed in Table 7. These documents are intended as an introduction for personnel involved in any operation and maintenance activity.



Table 7 General Operation and Maintenance Documents

Title	Description	Type
<i>Ericsson Command-Line Interface User Guide</i>	Describes the basic features of the Ericsson Command Line Interface (ECLI) and how to use it.	Descriptive, Operative
<i>MTAS Operation and Maintenance Guide</i>	Describes the operation and maintenance of the MTAS. Acts as an entry point to the operation and maintenance procedures within the MTAS and the tasks are presented on a functional level rather than managed object level.	Descriptive, Operative

2.5.1 Fault Management

Documents included in this area are listed in Table 8. These documents are intended for personnel performing fault handling, alarm handling, and troubleshooting.

Table 8 Fault Management

Title	Description	Type
<i>Fault Management</i>	Provides an overview of the management model and concepts associated with the Fault Management managed area.	Descriptive
Alarms		
In this area all alarms are listed.		
<i>MTAS Alarm List</i>	Lists all alarms that the product can receive.	Reference
Troubleshooting Information		
<i>IMS Common Components Troubleshooting Guide</i>	Describes how to perform troubleshooting procedures of the IP Multimedia Subsystem (IMS) Common Component (CMCO) products.	Descriptive, Operative
<i>MTAS AppTrace</i>	Describes how to use and apply the AppTrace in MTAS.	Descriptive, Operative
<i>MTAS Error Dump</i>	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
<i>MTAS Fault Codes Catalogue</i>	Describes the fault codes that are generated by the MTAS.	Descriptive
<i>MTAS Logs</i>	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative



Table 8 Fault Management

Title	Description	Type
<i>MTAS Network Tracing</i>	Describes how to use and apply the NetTrace in MTAS.	Descriptive, Operative
<i>MTAS Troubleshooting Guideline</i>	Describes how to perform the troubleshooting procedure in the MTAS.	Descriptive, Operative
Data Collection		
<i>Data Collection Guideline for MTAS</i>	Step-by-step instructions required in health check situations.	Operative

2.5.2 Configuration Management

Documents included in this area are listed in Table 9. These documents are intended for personnel performing configuration and fine-tuning. They are also intended for personnel performing provisioning.

Table 9 Configuration Management

Title	Description	Type
<i>System Management</i>	Provides information about configuration activities, including procedures and background information.	Descriptive
<i>MTAS Configuration for Provisioning LDAP</i>	This document describes the Lightweight Directory Access Protocol (LDAP) interface of MTAS.	Descriptive
Configuration OPIs, MTAS		
Include descriptions and instructions on how to configure different MTAS services.		Descriptive, Operative
Diameter Management		
<i>Diameter Management</i>	Provides an overview of the management model and concepts associated with this managed area.	Descriptive
File Management		
<i>File Management</i>	Provides an overview of the management model and concepts associated with the File Management managed area.	Descriptive
Transport Management		



Table 9 Configuration Management

Title	Description	Type
<i>Virtual IP Address Management</i>	This document provides an overview of the management model and concepts associated with the Virtual IP Address Management managed area.	Descriptive
SS7 Management		
<i>Signaling Manager User Guide</i>	This document provides an overview of the Signaling Manager, which is a node management tool that is used to configure and control Signaling Nodes to enable the signaling traffic from/to other signaling nodes in the telecommunication networks.	Descriptive
Parameter Information		
<i>vMTAS Parameter Value Selection Guideline</i>	Describes how to select the value of parameters categorized as “Solution Integration” in a multi vendor deployment scenario.	Descriptive, Operative
<i>Parameter Description for Provisioning MTAS MOCs</i>	Describes the parameters included in the product.	Descriptive
Provisioning		
<i>Generic CAI3G Interface 1.2</i>	Describes the behavior of the Customer Administration Interface 3rd Generation (CAI3G) protocol (version 1.2) as used by the MTAS.	Descriptive
<i>MTAS CAI3G Interface</i>	Describes the protocol stack and services in CAI3G interface.	Descriptive
<i>MTAS CAI3G Interface for ST AS</i>	Describes the ST AS protocol stack and services in CAI3G interface.	Descriptive
<i>MTAS Common Types Structure</i>	Describes the XML schemas defining common types used to ensure consistency across the Ut, Sh, and CAI3G interfaces on the MTAS.	Descriptive
<i>MTAS Examples of Provisioning Requests</i>	Describes a set of examples showing the MTAS provisioning requests. Each request provisions the transparent data in the Home Subscriber Server (HSS).	Descriptive
<i>MTAS Examples of Provisioning Requests for ST AS</i>	Describes a set of examples showing the MTAS ST AS provisioning requests. Each request provisions the transparent data in the Home Subscriber Server (HSS).	Descriptive

Table 9 Configuration Management

Title	Description	Type
<i>MTAS Service Data Structure</i>	Describes the XML schemas used in the MTAS to validate the MMTel user, group service data (operator and user parts) and service number data (operator part) and explain their structure.	Descriptive
<i>MTAS Ut Interface</i>	Describes the compliance of the MTAS XDMS against the Ut interface	Descriptive
<i>MTAS Ut Structure</i>	Describes the XML schemas used in the MTAS over the Ut interface and explains their structure.	Descriptive

2.5.3 Health Check

Table 10 Health Check

<i>MTAS Health Check</i>	Step-by-step instructions required in health check situations.	Operative
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2.5.4 Performance Management

Documents included in this area are listed in Table 11. These documents are intended for personnel involved in performance monitoring.

Table 11 Performance Management

Title	Description	Type
<i>Performance Management</i>	Provides an overview of the management model and concepts associated with the Performance Management managed area.	Descriptive
<i>MTAS Performance Measurements</i>	Describes the Performance Measurement parameters available in the MTAS.	Descriptive
<i>MTAS Performance Indicators</i>	Describes performance measures and formulas based on available counters in the MTAS with the intention to support the making of PM reports for IMS systems and nodes.	Descriptive
<i>MTAS Signaling Traffic Performance Indicators</i>	Describes MTAS signaling traffic performance indicators intended for PM reports supporting IMS.	Descriptive



2.5.5 Scaling Management

Documents included in this area are listed in Table 12. These documents are intended for personnel involved in performance monitoring.

Table 12 Scaling Management

Title	Description	Type
<i>MTAS Scaling Management Guide</i>	Describes the scalability functions of the MTAS cluster as a distributed system and give instructions how to do expansion or contraction of the cluster by these functions.	Descriptive

2.5.6 Security Management

Documents included in this area are listed in Table 13. These documents are intended for personnel performing security tasks, including supervision and user administration. They are also intended for personnel performing hardening of the product.

Table 13 Security Management

Title	Description	Type
<i>MTAS Security Guide</i>	Describes the security functions implemented by MTAS.	Descriptive
<i>SSH and TLS Protocol Management</i>	Provides an overview of the SSH and TLS protocol management.	Descriptive
<i>Security Management for ECLI, NETCONF, and File Transfer Protocols</i>	Provides an overview of the management model and concepts associated with the system and security management for ECLI and NETCONF-managed area.	Descriptive
<i>User Management</i>	Provides an overview of the management model and concepts associated with the Security Management managed area.	Descriptive
<i>Audit Information</i>	Describes the Linux® audit log.	Descriptive
Certificate Management		
<i>Certificate Management</i>	Provides an overview of the management model and concepts associated with the Certificate Management managed area.	Descriptive
LDAP Authentication Management		



Table 13 Security Management

Title	Description	Type
Contains Operational Instructions related to User Management regarding LDAP.		Operative
Local Authentication Management		
Contains Operational Instructions related to User Management regarding local authentication.		Operative

2.5.7 Software Management

Documents included in this area are listed in Table 14. These documents are intended for personnel performing preventive maintenance of the software and for personnel involved in troubleshooting. They are also intended for personnel performing backup and restoration.

Table 14 Software Management

Title	Description	Type
<i>Software Management</i>	Provides an overview of the management model and concepts associated with the Software Management managed area.	Descriptive
<i>Software Inventory Management</i>	Provides an overview of the management model and concepts associated with the Software Inventory Management managed area.	Descriptive
Backup and Restore		
<i>System Backup and Restore</i>	Provides an overview of the management model and concepts associated with the Backup and Restore managed area.	Descriptive
License Management		
<i>License Management</i>	Provides an overview of the management model and concepts associated with the License Management managed area.	Descriptive
<i>MTAS Licenses</i>	Describes the MTAS licenses.	Descriptive

2.5.8 Managed Object Management

Documents included in this area are listed in Table 15. These documents are intended for personnel performing configuration and fine-tuning.



Table 15 Managed Object Management

Title	Description	Type
<i>Managed Object Model User Guide</i>	Describes the Managed Object Model (MOM) and how to use it.	Descriptive, Operative
<i>Managed Object Model (MOM)</i>	Defines the information model regarding node management. Presents a view of the manageable resources in the node as well as the parameters and actions associated with these resources.	Descriptive, Operative

2.6 Emergency

Documents included in this area are listed in Table 16. These documents are intended for personnel authorized to perform an emergency recovery.

Table 16 Emergency

Title	Description	Type
<i>Emergency Recovery Procedure for MTAS</i>	Information regarding emergency recovery activities, including procedures and background information.	Descriptive, Operative

2.7 Interface

Documents included in this area are shown are listed in Table 17. These documents are intended for personnel needing to understand the logical entity, including interfaces and protocols.

Table 17 Interface

Title	Description	Type
Interwork Descriptions	Description of the interfaces.	Descriptive, Reference
Events		
<i>AlarmListRebuilt</i>	Describes event <code>AlarmListRebuilt</code> and how to handle it.	Descriptive, Operative
<i>eVIP, Configuration Fault</i>	Describes event <code>eVIP, Configuration Fault</code> and how to handle it.	Descriptive, Operative
<i>HeartBeat</i>	Describes event <code>HeartBeat</code> and how to handle it.	Descriptive, Operative